Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	01/13/2016 11:33 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/21/2015 09:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124200	-1	1.21	124040	1.18
Blue	F	SSC	125000	124037	-1	2.92	124931	2.68
Blue	E	FITC	17224	16705	-4	2.42	943	8.48
Blue	D	PE	22462	21847	-3	2.00	987	7.53
Blue	B	PerCP-Cy5-5	63940	63169	-2	2.69	1672	12.42
Blue	A	PE-Cy7	72480	71250	-2	3.79	945	23.28
Red	C	APC	63778	63154	-1	2.41	3567	7.55
Red	A	APC-Cy7	97254	96672	-1	2.49	1917	7.50
Violet	B	V450	10730	10411	-3	3.12	645	7.35
Violet	A	V500	42147	40910	-3	2.68	2315	5.27

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20013	1.70	582	-38	N/A	N/A	Pass
Blue	F	SSC	62072	1.75	505	-22	N/A	N/A	Pass
Blue	E	FITC	101	33.78	513	-26	0.0278	93	Pass
Blue	D	PE	203	23.46	507	-25	0.2015	153	Pass
Blue	B	PerCP-Cy5-5	207	36.83	591	-23	0.0124	0	Pass
Blue	A	PE-Cy7	73	88.44	646	-27	0.0168	5	Pass
Red	C	APC	335	25.04	574	-10	0.0249	64	Pass
Red	A	APC-Cy7	121	37.41	556	-9	0.0054	1071	Pass
Violet	B	V450	69	39.20	448	-26	0.0594	2093	Pass
Violet	A	V500	151	20.29	477	-26	0.0165	132	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.62	47.70 - 71.54	N/A	N/A	-31.04	-30.81	0.80
Blue	20.46	16.35 - 24.53	1.26	1.00 - 1.50	0.00	0.00	1.29
Red	15.85	13.09 - 19.63	N/A	N/A	31.38	31.73	1.13

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10031

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments